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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
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 DOCUMENT NUMBER: 138:49025
 TITLE: Process for the preparation of the **magnesium salt of S-omeprazole trihydrate**
 INVENTOR(S): Kronstrom, Anders; Leander, Eva; Mattson, Anders; Jansson, Karin; Bohlin, Martin
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
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 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003004190	A1	20030102	US 2002-113245	20020401
US 6747155	B2	20040608		
SE 9702065	A	19981201	SE 1997-2065	19970530
SE 510650	C2	19990614		
WO 9854171	A1	19981203	WO 1998-SE974	19980525
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
EP 1273581	A1	20030108	EP 2002-19642	19980525
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY				
US 6369085	B1	20020409	US 1998-77719	19980608
PRIORITY APPLN. INFO.:				
			SE 1997-2065	A 19970530
			WO 1998-SE974	W 19980525
			US 1998-77719	A2 19980608
			EP 1998-926005	A3 19980525

AB The present invention is a novel process for the preparation of the Mg salt of the (-)-enantiomer of 5-methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)-methyl]sulfinyl]-1-benzimidazole trihydrate, i.e., S-omeprazole **magnesium salt** trihydrate. The present invention also relates to the S-omeprazole Mg salt trihydrate prepared in accordance with the new process and pharmaceutical compns. containing it. New intermediates used in the process include S-omeprazole **magnesium salt** dihydrate or S-omeprazole potassium salt. The process for preparation of the enantiopure **magnesium salt** of S-omeprazole trihydrate comprises (a) dissolving a Mg source (e.g., MgSO₄) in water, (b) mixing a potassium salt of S-omeprazole with water, (c) mixing the two solns. to form the **magnesium salt** of S-omeprazole and precipitate the salt, (d) isolating the obtained **magnesium salt**, (e) treating the salt with water, and (f) isolating and drying the **magnesium salt** of S-omeprazole trihydrate. Thus, addition of water to wet crystals of the Mg salt of S-omeprazole (preparation given from potassium salt of S-omeprazole) and heating to 38° with stirring for 3 h afforded crystals of S-omeprazole **magnesium salt**

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trihydrate. Powder XRD data for the product are given. The product is advantageous because it is more stable than corresponding **magnesium salt** compds. in prior art, and is easier to handle and store. The method of preparation is reproducible and easier to handle in full scale production

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E OMEPRAZOLE/CN

L1 1 S E6

L2 1 S E3

FILE 'CAPLUS' ENTERED AT 10:23:37 ON 08 JUL 2004

L3 33 S L1

L4 2684 S L2

L5 1 S S-OMEPRAZOLE TRIHYDRATE

L6 4909 S MAGNESIUM SALT

L7 1 S L5 AND L6

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**PALM INTRANET**Day : Thursday
Date: 7/8/2004
Time: 10:31:50**Inventor Name Search Result**

Your Search was:

Last Name = COTTON

First Name = HANNA

Application#	Patent#	Status	Date Filed	Title	Inventor Name 4
<u>10672936</u>	Not Issued	030	09/25/2003	NOVEL FORM OF S-OMEPRAZOLE	COTTON, HANNA
<u>09194647</u>	<u>6303788</u>	150	12/01/1998	NEW IMPROVE PROCESS FOR PREPARING OMEPRZOLE	COTTON , HANNA
<u>09077719</u>	<u>6369085</u>	150	06/08/1998	NOVEL FORM OF S-OMEPRAZOLE	COTTON , HANNA
<u>08492087</u>	<u>5948789</u>	150	07/14/1995	PROCESS FOR SYNTHESIS OF SUBSTITUTED SULPHOXIDES	COTTON , HANNA KRISTINA

Inventor Search Completed: No Records to Display.

	Last Name	First Name
Search Another:	<input type="text" value="Cotton"/>	<input type="text" value="Hanna"/>
Inventor	<input type="button" value="Search"/>	

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